

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/56

PCT/PTO 06 OCT 2004

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 208 667 B1 (CALDARA STEPHEN A ET AL) 27 March 2001 (2001-03-27)  column 1, line 18 - line 34 column 2, line 41 - line 65 column 3, line 59 - column 4, line 52 column 5, line 22 - line 37 column 6, line 2 - line 45 column 7, line 23 - column 11, line 31 figures 4,6	1-4, 6-13, 15, 16
Y		5
A		14

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

24 July 2003

Date of mailing of the international search report

06/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Jaskolski, J

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 978 968 A (VITESSE SEMICONDUCTOR CORP) 9 February 2000 (2000-02-09) paragraph '0004! - paragraph '0006! paragraph '0008! paragraph '0011! - paragraph '0015! paragraph '0016! paragraph '0021! - paragraph '0022! paragraph '0034! paragraph '0040! paragraph '0043! - paragraph '0051! figures 5A, 5B -----	1, 10, 16
Y	US 6 215 412 B1 (FRANASZEK PETER ANTHONY ET AL) 10 April 2001 (2001-04-10) column 1, line 52 -column 2, line 37 -----	5
A	US 6 275 468 B1 (STEINBRENNER KURT ET AL) 14 August 2001 (2001-08-14) column 1, line 66 -column 2, line 12 column 4, line 11 -column 5, line 3 -----	1, 10, 16

## INTERNATIONAL SEARCH REPORT

on patent family members

Intern. Application No

PCT/IB 03/01401

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